



NEW JOURNEMEN IN THE MACHINE SHOP are seen with their newly acquired diplomas before them. In ceremonies last week the General Machine Shop awarded nine certificates completing the apprenticeship program for the men. Seated from left, are L. N. Moncier, P. R. Wilson, E. M. Miller and H. N. Brendle. Standing are F. L. Hise, J. T. Compton Jr., T. T. Patterson, G. L. Wright and F. L. Teno.

Mechanical Operations Graduates Nine To Journeyman Status In Apprenticeship Program

EGCR Engineer Is AIEE Speaker

The Oak Ridge Section of the American Institute of Electrical Engineers will have a general meeting Thursday, 7:30 p.m., February 14, in the Green Room of the Ridge Recreation Hall, Oak Ridge.

The program subject for February's meeting will be "Nuclear Instrumentation and Safety Systems—Fundamentals and Philosophy of Application." The speaker is announced as Carl Coleman, of the General Electric Nuclear Electronic Products Section of the Atomic Power Equipment Department, San Jose, California. He is an application engineer whose present project is to furnish nuclear instrumentation and safety systems for the Experimental Gas Cooled Reactor project.

Refreshments will be served following the meeting. Instrument Society of America members as well as AIEE and Institute of Radio Engineers members are invited. Of local interest will be the merger of AIEE and IRE to form IEEE (Institute of Electrical and Electronic Engineers) which will be effective May 15, 1963.

IN HOT WATER

The average American home, with a number of four, requires approximately 44,000 gallons of hot water annually. This is about 33 gallons per day per person!

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
36 Days Or
1,313,000 Man-Hours
(Unofficial Estimate)
Without A Disabling
Injury
Through February 10
Phone 7755
For Daily Report
On Accident-Free Hours

Monday, February 4, was graduation day in Y-12 . . . at least for nine men, it was. These machinist apprentices received their highly desired certificates making them journeyman machinists in ceremonies in Building 9201-1. The new journeymen are Harold N. Brendle, John T. Compton Jr., Francis L. Hise, Eugene M. Miller, Larry N. Moncier, Tom T. Patterson, Floyd L. Teno, Paul R. Wilson and Clyde L. Wright.

Mechanical Engineers Will Tour EGCR Site

The Oak Ridge Subsection of the American Society of Mechanical Engineers will meet Thursday, February 14, at 7:30 p.m. in the assembly room at the Experimental Gas Cooled Reactor site near ORNL. Starting at 7:30 p.m. there will be approximately one-half hour of lectures and about one hour guided tour of the EGCR facility. Talks will consist of the construction and operations of the EGCR and will be made by representatives of the Tennessee Valley Authority. The TVA men will also answer questions after the tour.

At the time of the meeting, the much-publicized reactor vessel should be in the process of being installed.

All members are urged to attend and bring prospective members and guests.

The "diplomas" are signed by the Secretary of Labor of the United States, Willard Wirtz. They indicate that the subject employee "has completed his apprenticeship in the trade of machinist under the sponsorship of Union Carbide Nuclear Company, division of Union Carbide Corporation, of Oak Ridge, Tennessee, in accordance with the fundamentals recommended by the Federal Committee on Apprenticeship." The certificates are signed for UCNC by Y-12 Plant Superintendent Roger F. Hibbs, and Jack M. Case, assistant Y-12 superintendent, who presented the certificates to the graduating group.

One Year Training

The present apprentice program encompasses one year of intensive training in the machinist field and is under the general direction of O. K. Sergeant, General Machine Shop.

The group apprenticeship selection committee, which is responsible for selecting candidates for

Continued on Page 4



Y-12 PLANT SUPERINTENDENT R. F. Hibbs congratulates the nine graduating apprentices in last week's 'graduation' program held Monday, February 4, in Building 9201-1. The year-long apprentice program is in accordance with the fundamentals recommended by the Federal Committee on Apprenticeship of the United States Department of Labor.

Organization Changes Affect Industrial Relations Division

Changes affecting the Industrial Relations Division were announced last week by Y-12 Plant Superintendent Roger F. Hibbs. George W. Flack is assuming new responsibilities in the General Industrial Relations staff, at Oak Ridge Gaseous Diffusion Plant.

Replacing Flack as superintendent of Y-12's industrial relations is Herman G. P. Snyder, former production certification superintendent. These changes were made effective Monday, February 11.

Superintendent Snyder is a native of Slatington, Pennsylvania. He is a graduate of LeHigh University, Bethlehem, and a veteran of the United States Army. He was inducted into the Army immediately after his graduation and began training with the Corps of Engineers, which was to bring him eventually, in April, 1945, to Oak Ridge.

Military Service Here

After his Army discharge, Snyder hired in at ORGDP May 6, 1946. His military duty in Oak Ridge was as engineer and technical supervisor during the plant's construction and start-up.

He transferred to Y-12 April 1, 1961 as head of the Laboratory Division.

He is married to the former Grace Snyder and they have two daughters, Sally and Suzanne. The Snyders live at 108 Norton Road, Oak Ridge. Active in civic groups, they are also interested in the East Tennessee Riding Club.

The new staff member on the General Industrial Relations group, George W. Flack, is also a native of Pennsylvania, born in Scranton. He did his undergraduate work at Washington and Lee University, Lexington, Virginia, and took his master's degree in administration at Pennsylvania State College, State College, Pennsylvania. He was active in basketball and rowing at Washington and Lee.

Active In Civic Affairs

The former superintendent is presently a representative on the National Council of the Boy Scouts of America, representing the Great Smoky Mountain Council; on the executive committee of the Mental Health Association; the executive committee of the Tennessee Personnel Association; the Oak Ridge Chamber of Commerce's executive committee. He is a past president of the Oak Ridge Chapter of the American Red Cross, and has been extremely active in many capacities with the Anderson County Community Chest.

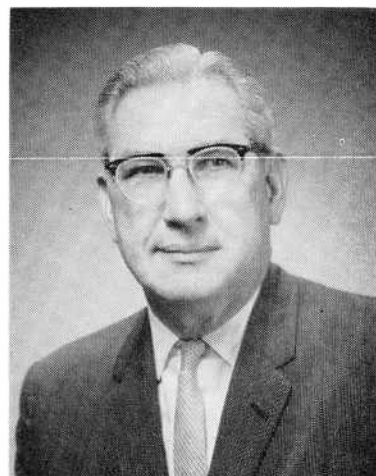
Superintendent Flack came with Carbide in New York on January 3, 1944. He transferred to ORGDP shortly thereafter as training supervisor. In 1945 he was made assistant to the industrial relations superintendent there. He came to Y-12 July 15, 1950 and became industrial relations superintendent on July 1, 1952.

The Flacks live in Oak Ridge, at 21 Outer Drive. Their four children are: David, who operates a music store in Oak Ridge; George W. Jr. at Maryville College; Edwin P., Transylvania College; and Sarah at Oak Ridge High School, Oak Ridge.

Concurrent with the organization changes, O. W. Briscoe, Plant Laboratory; V. C. Jackson, Physical Testing; and G. W. Evans, Production Inspection will report directly to G. A. Strasser.



Herman G. P. Snyder



George W. Flack

UCC Earnings In '62 Are Up

Union Carbide Corporation's sales in 1962 set a record for the fourth consecutive year, exceeding 1961 sales by four per cent, Morse G. Dial, chairman and chief executive officer, has reported in a preliminary statement. Earnings were 12 per cent above last year, and were the second highest in the corporation's history.

Sales for the year were \$1,630,681,000, compared with sales of \$1,563,358,000 in 1961. Net income for 1962 was \$159,825,000, or \$5.31 a share. This included 20 cents a share realized from the sale of the Pyrofax Gas business. In 1961, net income was \$142,298,000, or \$4.73 a share.

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Union Carbide Declares 90 Cent Dividend

The board of directors of Union Carbide Corporation has declared a quarterly dividend of ninety cents per share on the outstanding capital stock of the corporation payable March 2, 1963, to stockholders of record February 8, 1963.

The last quarterly dividend was ninety cents per share paid December 1, 1962.

The Bulletin

Published Weekly For The
Y-12 Employees Of
UNION CARBIDE
NUCLEAR COMPANY
Division of



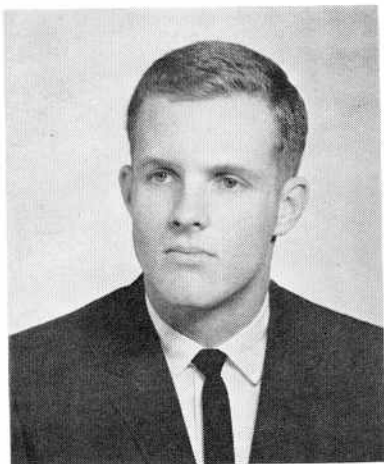
UNION CARBIDE CORPORATION

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Jim Qualls Is Named Outstanding Freshman

Y-12er's Son Goes To Lenoir Rhyne



Jim Qualls

James H. Qualls, Product Processing in the Chemical Operations Division, is a mighty proud papa these days.

His son Jim, a freshman at Lenoir Rhyne College, Hickory, North Carolina, was recently voted the year's most outstanding freshman on the football squad there.

Jim graduated in 1962 from Oak Ridge High School, where he was an outstanding tailback and defensive left halfback on the Wildcat squad. The six-foot, 180-pounder gained the honors at Lenoir Rhyne at the university's annual gridiron banquet. During his first year at Lenoir Rhyne, he played 28 quarters and was one of only three freshmen lettering this year.

Young Qualls was cited for his outstanding feats on the gridiron in Lenoir Rhyne's copping the Eastern Division Championship.

The Qualls live at 115 Temple Road, and have three other children: David, in the ninth grade; Deborah in the fifth; and Robert in the second.

Susano Will Speak On Analytical Chemistry

The Analytical Group of the East Tennessee Section of the American Chemical Society will meet tonight, Wednesday, February 13, at 8 p.m. at the Holiday Inn, Oak Ridge.

C. D. Susano of ORNL's Analytical Chemistry Division will present a summary of the overall analytical services at the Oak Ridge installations. He will be introduced by C. E. Larson, vice president of Union Carbide Nuclear Company, who will also offer some comments on analytical chemistry in Oak Ridge. This program will permit analytical chemists to get a better perspective of the scope and types of work being done at all the plants and to meet with the members of the largest analytical group in the ACS. A social hour will follow the presentation with interesting refreshments. Wives and guests are invited.



After screaming "Yankee weather, go home" for six weeks, it finally heard us and took heed. Speaking of the 'go home' technique, a funny story was related in these parts recently.

Seems Anthony Hitchcock, Research Services, was on military duty in England. Now Hitchcock is English born and it wasn't at all startling for him to draw duty there.

He said he was standing on the corner in uniform in London, when a man brushed by and said, "Blimey, Yank, why don't you go home?"

Hitch said he mustered his best cockney accent and replied, "Blimey, mate . . . I am home!" Before going home, let's see what gives in Y-12, first in

SHIFT SUPERINTENDENTS AND UTILITIES

Condolences are extended to the D. H. Rader family in the recent death of his brother-in-law in Clarksville, Tennessee.

Vacationing in Florida (Ah, to see the temperature in the nineties again!) recently were the J. F. Mays . . . G. R. Basley also took a vacation recently, but didn't reveal plans.

Get well wishes are sent to M. G. Crouch and H. B. Davis, ailing . . . and a speedy recovery to D. Stevens' wife in St. Mary's Hospital, Knoxville.

Many a boy is the kind of kid his mother wouldn't want him to play with.

CHEMICAL OPERATIONS

Elizabeth (Liz) Harris, Product Process, and C. E. "Fuzz" are off to Gadsden, Alabama, this weekend to see their son Bob marry. The young miss is named Barbara Sue Osborn. The younger Harris will reside in New Orleans where Bob works with Boeing. He is also a former Y-12er himself.

Teen-agers declare that their music sorter grows on you . . . but then so do warts!

INDUSTRIAL RELATIONS

Ailing from the Fire and Guard Department is D. I. Davis and best wishes go to him.

Also a speedy recovery to H. L. Wolfenbarger's mother.



Kelly Sue Noe



David Glenn Noe Jr.

These little jewels are grand-

children of H. J. Ballew. They are David Glenn Noe Jr., age six months, and Kelly Sue Noe, age two and one-half years. Their parents are Mr. and Mrs. Glenn Noe of Jonesboro, Georgia. The mother is Patricia Ann, Ballew's daughter . . . the father is Glenn whose mother, Ruth Gallardo, works in Beta Three.

The difference between gossip and news is whether you are telling it or not!

MECHANICAL OPERATIONS

Over in General Expediting and Auxiliary Services, G. L. Edwards wishes to thank co-workers and friends who helped so (both in spirit and in kindness) recently when his home burned at Route 3, Clinton.

J. C. Oody, over in Forming, spent a recent week in Florida sunning and funning all by himself?

All this talk about a poor loser . . . who ever heard of a rich one?

ENGINEERING

Several Tool Engineering employees have changed the location of their place of business. B. D. Chambers and J. W. Foster passed each other on the road as they made the change, Burl from Beta Two to Alpha One and Jerry making the same in reverse.

Belated welcome is extended to two new employees in Tape Control . . . W. D. Ayers, from ORNL, and J. T. Shumper. Tape Control also welcomes P. E. Melton, T. R. Chilcoat, H. L. Stamey, and Phil McGuire from other sections in Tool Engineering.

R. D. Hobson and W. D. Philippi are now in Mechanical Inspection.

That smile on J. E. Leone's face is caused by the fact that he finally got his family moved into Oak Ridge from Chattanooga.

J. E. Insell, who has been in a leg cast since December, had everyone autograph his cast just in time Friday. The Doc removed it Friday evening and Jerald is saving it for a souvenir.

The Jack Anderson's welcomed a little girl to the family Sunday, February 3. Karen Stacey Anderson arrived weighing a petite six pounds, 14 ounces. Jack is in Tape Control.

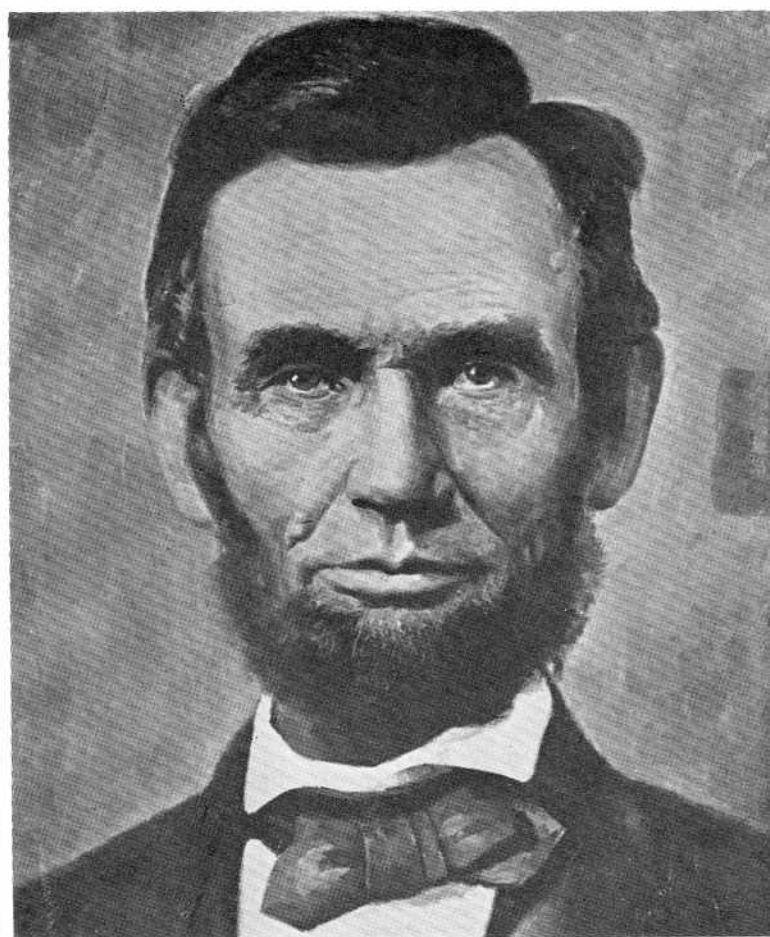
That's about it!

Harry Golden Is Lecturer Tonight

America's uncrowned prince of humor will speak in Oak Ridge tonight, February 13, at the Oak Ridge High School, when Harry Golden lectures. The event is being presented by the Arts Council of Oak Ridge in cooperation with the Oak Ridge Playhouse.

Editor Golden, who masterminds the "Carolina Israelite," has given America two best-sellers in the past two or three years . . . "Only in America," and "For Two Cents Plain." His latest book is a biography of his great friend Carl Sandburg. Golden's appearance is two days prior to the Playhouse's Studio Theatre's production of "The World of Carl Sandburg."

The witty Golden's lecture will begin at 8 p.m. tonight. The admission is only \$1, and you probably will never get humor and philosophy from a penetrating mind such as Golden's again at that price!



"... As I would not be a slave, so I would not be a master. This expresses my idea of democracy." Abraham Lincoln

Lincoln's Words Are Good Theme For Brotherhood Week

Next week, February 17-24 is the 30th anniversary of Brotherhood Week . . . that section of the year set aside by the National Conference of Christians and Jews to emphasize the everyday "living" of democracy.

Do you "believe" in brotherhood? Do you "believe" in democracy? Chances are that 100 per cent of all Americans would answer "of course" to either question. How about living brotherhood and democracy? These are not abstract ideas. They are you, your next-door neighbors, the men and women down the street of every race, creed and nationality. Do we give them the "time of day?" Far too few of us really "live" democratic lives and brotherhood.

Listen to what some of these Americans have to say about the observance of human dignity: "Human Brotherhood is not just a goal. It is a condition on which our way of life depends." President John F. Kennedy

"The achievement of Brotherhood is the crowning objective of our society." Dwight D. Eisenhower

"Brotherhood is not only a generous impulse but also a divine command." Harry S. Truman.

"Our inescapable choice is Brotherhood or chaos." Franklin D. Roosevelt

"Brotherhood is something YOU can do for your country—by believing in it and practicing it." Lee H. Bristol

"Failure to practice Brotherhood created the news behind all too many headlines." Ralph McGill

"Brotherhood is no laughing matter." Bob Hope

"Though man has come to understand the complexities of the electron and the atom, he is still far from understanding his fellow man." David Sarnoff

"Freedom is not the absence of discipline but the use of disciplines which will enable us to enter into our inheritance and accomplish our destiny." J. Edgar Hoover

"Every man is diminished by any man's bias. One reason we do not truly love our neighbor is that we make no effort to know or understand him." Faith Baldwin

"When man succeeds in carrying on through his life the perfect democracy of childhood, the brightest era in human history will have dawned." Fannie Hurst

All religious communities within the Judeo-Christian tradition subscribe to the tenet of love and not hate. It has become so much a Western way of life that no one questions its validity anymore. No civilized person can say that man was created to hate.

BROTHERHOOD IS DEMOCRACY AT WORK
Believe it! Live it! Support it!

Sandburg's World Is Studio Feature

"The World of Carl Sandburg" is the Oak Ridge Playhouse feature for the coming two weekends. It will be given at the Playhouse on Friday and Saturday, February 15 and 16, and repeated on the 22 and 23.

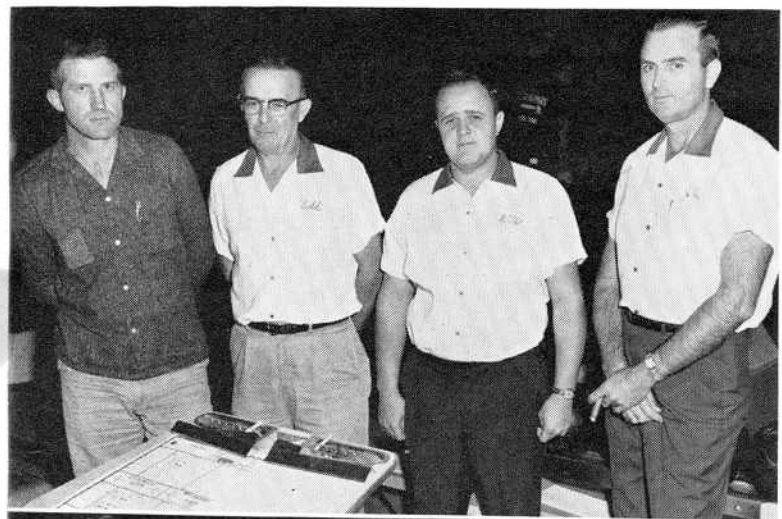
This play is being directed by Marshall Lockhart, wife of George Lockhart, Y-12's Special Projects. Mrs. Lockhart is well known as a director of unique

plays, having directed "Waiting for Godot" two years ago.

The Studio Theatre production is a playhouse extra and is free for season ticket holders and \$1 for non-season ticket holders. Tickets are available at the box office in Jackson Square.

"The World" is a unique combination of Sandburg's poetry and humor, sprinkled with songs . . . and the familiar American folk songs he collected in "The American Songbag." Bette Davis and Barry Sullivan appeared on the Knoxville stage a couple of seasons ago in the fine Sandburg anthology.

Ruby O'Kain And Don Branson Are New Bowling Champions



THESE FAITHFUL MEMBERS OF THE CLASSIC LEAGUE constitute two of the staunch teams represented in Y-12's oldest and largest bowling aggregations. At the top are the Sportsmen, who are from left, Captain Herb Oliver, Ed Sise, Bill Sise and J. E. Morgan. Absent were J. C. Bryan, C. R. Lively and J. W. Halsey. In the lower photograph are the Cubs . . . from left, George Mitchel, Captain Leo Hemphill, George W. Flack and J. C. Bowles. Absent are Al Bittner and M. B. Hilton.

Swingsters, Markers, All Stars Locked In 3-Way Classic Duel

Goofers Again Take Mixed League Lead

Cool Cats Drop Into Second Slot

The Goofers disliked being in any other position in the Mixed League last week among the Y-12 bowlers, so they climbed back into the cat-bird seat with a rollicking four-point win over the Toppers. Three-point wins were taken by the Ghosts over the Alley Cats, and the Scrappers over the Cool Cats. Splitting two each were the Phantoms and Pin Plasters.

Irene Carmack, Cool Cats, took high singles with a 164 scratch, 214 handicap game. She shared high series scratch with Ella Stansell, Goofers, each with 412 . . . and Stanstell took handicap series highs with a 598. C. G. Gaylor, Pin Plasters, dominated men scoring with singles as he rolled a 215 scratch, 235 handicap game; while W. B. Stephens, Goofers, took series highs with a 555 scratch, 609 handicap total.

The Scrappers swept the boards teamwise scoring in singles 640 scratch and 805 handicap tallies . . . and taking series highs with 1845 scratch and a 2340 handicap total.

League standings follow:

Team	Won	Lost
Goofers	15	5
Cool Cats	13	7
Phantoms	11	9
Ghosts	11	9
Alley Cats	10	10
Scrappers	9	11
Pin Plasters	8	12
Toppers	3	17

Psychiatrist to patient: "Despite what you think, Mrs. Jones, you don't have a complex. Actually, you ARE inferior."

Atoms, Flyers Hot Basketball Teams

Two Y-12 Teams Sport Spotless Slate

The Y-12 Flyers unseated the Misfits in the first game of the Carbide Basketball League last week 42 to 35. This was one of those hard fought games . . . both teams trying for it, with the Flyers pulling it out of the bag in the last half. Both teams lost key players via the foul route . . . Fitzgerald for the Flyers and Pardue for the Misfits. Brooks led scoring on the Flyers team with 15 . . . Mahaffey for the Misfits with 15.

The ORGDP All Stars slipped by the Y-12 Eagles last week in a real thriller. It might have been a different story if the Eagles had had their big center Ralph Vaughan. Even so they stayed with the high-scoring Clark all the way and almost upset the soaring Stars. The final score was 52 to 47 . . . Clark firing 25 . . . Bob Coulton scored 23 for the Eagles.

Atoms Gallop
Y-12's Atoms really trounced the Lab Demons, ORGDP, 74 to 32. Everybody got into the scoring act for the Atoms, as the Y-12 team dominated the floor in both halves offensively and defensively. The fast break came through for the Atoms, as George fired 23, Cothron 20 and Beard 15. Thursday night's games started off with a real squeaker, as the Y-12 Misfits edged by the ORGDP Lab Demons 44 to 42 . . . a close one all the way. The winning team played the last five minutes with only four men on the floor in what looked like a sure defeat. Davis led the Fits with 14 points and Riggs had 13. Mahaffey scored 10, which included a jump shot in the last two seconds of the game to salt it away for the Misfits.

Eagles Are De-Winged
The two mighty Y-12 teams clashed next as the Atoms blanked out the Eagles 59 to 44. The fast break was again employed by the Atoms with little Jim George at the throttle. The Eagles failed to get help from their usual big guns, Dan Greaser and Ralph Vaughan. Coulton took up part of the slack with 25 points, but it wasn't enough. Jim George tallied 28 for the Atoms and Cothron nailed 11 on the scoreboard.

Y-12's Flyers downed the All Stars, from ORGDP, in final action. Both teams were handicapped early . . . with Fitzgerald tossed from the game for the Flyers early and Brooks getting injured for the All Stars. Carlos Brooks took over for the Atoms getting 21 points and uncounted rebounds. He led scoring for both teams . . . Mothershed scored 14 for the Stars, and Graham had 10.

League standings follow:

Team	Won	Lost
Atoms	3	0
Flyers	2	0
Eagles	2	2
All Stars (ORGDP)	2	2
Misfits	1	2
Lab Demons (ORGDP)	0	4



"Weather Bureau?"

ORNL Moves Into Lead In 22-League

Second firings in the 22 Calibre Rifle League saw the Y-12 team take two points last week, with ORNL riflemen taking three and Independent men taking one. Dave DeWalt, Y-12, fired high total scratch with 288, followed closely by Bob Powers with 287.

The total scratch firing read as follows: ORNL: 1431; Y-12: 1407; and Independents 1365.

League standings follow:

Team	Points
ORNL	6
Y-12	4
Independents	2

4-Squares Assume E Alley's Throne

Pinquins Drop To Second Place

The Foursquares took the lead away from the Pinquins in the E League for Y-12 bowlers last week by downing them for three points. The Alleybees took four from the Ten Pins while the Cannonballs wrestled three away from the Pintwisters.

Bruce Hogg, Ten Pins, practically dominated individual scoring with singles in the magnitude of 213 scratch and 241 handicap. He also had a scratch series of 503. Arnold McKinney, Cannonballs, took high handicap series with 613.

The Foursquares took singles handily with 645 scratch and 795 handicap tallies, while the Alleybees took series play with 1847 scratch and 2336 handicap totals.

League standings follow:

Team	Won	Lost
Foursquares	16	8
Pinquins	14	10
Ten Pins	12	12
Alleybees	12	12
Cannonballs	10	14
Pintwisters	8	16

Par Busters Hang Onto C League Top

Delmonte And Tripp Roll 223 Scratchers

The Par Busters apparently enjoy top berth in the C League for Y-12 bowlers . . . they decided to stay there a while. The Busters took the Screwballs last week by splitting two points with them. Three point wins were scored by the Lucky Strikes over the Big Five, the Strikers over the SP's and the Hookers over C Shift. The other matches ended in draws, as each team made off with two points in tilts including the Rounders and Hi Lifers.

Joe Delmonte, Strikers, and Hubert Tripp, Sunflowers, tied for top scratch single game of the week with 233 each. Delmonte's handicap single won out, however, as he tallied 250 in that department. J. W. Halsey, Sunflowers, racked series tops with a 592 scratch, 652 handicap total. The Sunflowers took high singles with 912 scratch scores, and series highs with 2610 scratch and 2904 handicap rallies. The Hookers took singles handicap tops with 1046.

League standings follow:

Team	Won	Lost
Par Busters	14	6
Big Five	13	7
Sunflowers	13	7
Hi Lifers	12	8
Lucky Strikes	12	8
Strikers	11	9
Hookers	10	10
Rodders	9	11
Rounders	8	12
C Shift	7	13
SP's	6	14
Screwballs	5	15

Tourney Champs Named On Alleys

Father-Son Groppes Set Alleys Afire

Y-12's 1962 bowling champions have been determined at the 17th annual bowling tournament held this past week-end. Ruby O'Kain is the new women's champ after a 1533 scratch all events score. Men's champion is Don Branson, who rolls in the Kingston Guttersnipes team. His all events posting came to a 1681 scratch total.

Team championship went to the Sunflowers, in the C League, captained by W. B. Stephens. Their scratch tally was 2648. The Sport-Rebs, a combination of the Sportsmen and Rebels from the Classic League came in second with 2609. The handicap honors in the team division went to the Screwballs, Classic League, with 2997 and to the Hilifers, in the C League, with 2966.

Father-Son Team

In Men's Doubles it was Al Grope and Wayne Grope, the father and son combo, with a 1135 scratch score, followed by Frank Zupan and Len Hart's 1104. Handicap doubles were taken by J. L. Spray and R. C. Waldrop with 1239 and J. J. Sewell and E. K. Beeler with 1227.

Wayne Grope repeated his win in taking Men's Singles with a 602 scratch score. Close on his heels was Len Hart with 589. Handicap honors went to L. M. Hensley with 638 and R. B. Eliason, only a hair's breadth behind, with a 637.

Wayne Grope repeated again and again to come in second in All Events with a 1667 scratch total. Handicap honors went to Al Grope with 1895 and R. C. Waldrop with 1845.

Mixed Doubles

Mixed Doubles laurels went to Lou Anfinson and Sewell Brown, who copped a 1001 scratch total, and Tom Hillard and Ruby O'Kain with 980. Handicap crown went to Bobbie Hill and Elbert Scott who rolled a rollicking 1207. The husband and wife team of Eleanor and Peter Rekemeyer placed second with 1196.

In Women's Doubles Peggy Hardin and Ruby O'Kain took scratch highs with 988 followed by Ruby Lucas and Bobbie Hill who rolled 850. Handicap tops to Eleanor Rekemeyer and Nola Cherry who had 1131 and Virginia Newby and Ella Stansell who accumulated 1115.

O'Kain Repeats Win

Ruby O'Kain, not content with the City Title of Oak Ridge, knocked down a total 489 pins in singles, closely followed by Peggy Hardin with a 480 scratch score. Ann Rackley led handicappers with 605 and Edith Duckworth had 594.

Edith Duckworth followed in All Events, trailing the illustrious Mrs. O'Kain, with a 1365 tally. Ann Rackley had a handicap All Events score of 1810 and Bobbie Hill had 1743.

The successful tournament was accomplished with scorekeepers and those handy with adding machines coming forth in service above and beyond the call of duty. The Recreation Department expresses its deep gratitude for the sportsmanship and full cooperation of Y-12 bowlers.

Nothing Like Fishing Through The Ice!

Perhaps it was just a coincidence. Last week, there came a story through on the increase in fishing through the ice . . . paralleled with the biting cold weather in these parts. There is really nothing like fishing through ice, we always say . . . be it for fish . . . or for olives!

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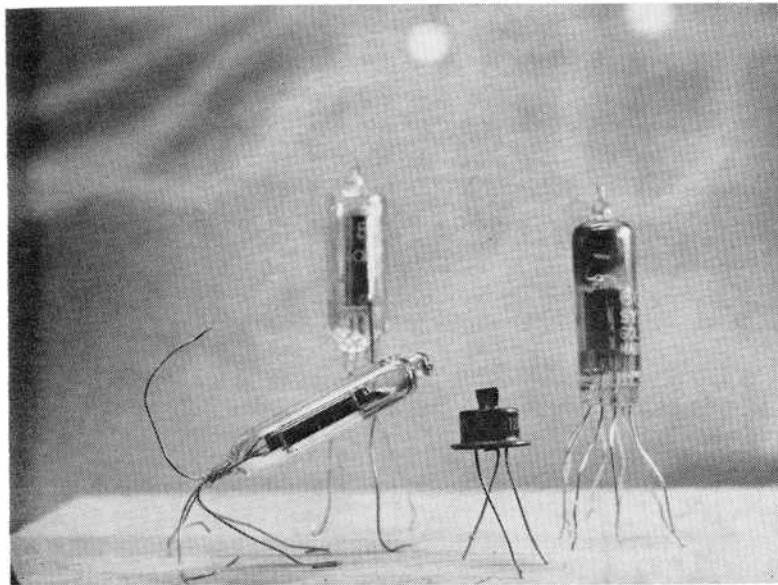
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A FAMILY OF MARTIANS? . . . No, it's just some TV tubes and a transistor that somebody monkeyed around with! These are some of the tools of the trade that T. A. Hickman and A. A. C. Hitchcock, both Y-12ers, use in instructing the class in electronics at Central High School, Wartburg, Tennessee.

Y-12ers Hickman - Hitchcock Teach Electronics Course

Two Y-12ers, Thayer A. Hickman, and Anthony A. C. Hitchcock, are teaching electronics at the night school at Central High School in Wartburg. The school is located almost at the junction of Routes 27 and 62 . . . only a half hour's drive from Oak Ridge.

The electronics course offers one of the finest such courses in the country. It consists of six units. Unit one covers basic electronics and establishes a good fundamental background for the new student. Each unit continues in succession to give complete coverage of the art until finally the student has covered radio, television, transistors, industrial electronics, computers, etc. A semester covers one unit and usually lasts about six months. New classes are tentatively set

to begin Monday, February 18.

The cost of the course is \$18.50 per semester and is approved for reimbursement under the Carbide Education Assistance program. Both theory and lab are taught with a completely furnished lab, tools and equipment available. Covering five counties—Anderson, Roane, Morgan, Scott and Fentress—it is aided by the federal government under the National Defense Act of 1958. This course has been in operation for over two years and approximately 100 students have taken advantage of its benefits.

Both Hickman and Hitchcock are in Research Services, and can supply additional information concerning the school. Either man can be reached on telephone extension 7-8059.

ORGDP To Get Tourist Area

A visitor observation area will be built at the Atomic Energy Commission's Oak Ridge Gaseous Diffusion Plant to provide tourists an opportunity to see the exterior of the huge plant and learn about its operation.

S. R. Saporie, manager of the AEC's Oak Ridge Operations, said establishment of the observation area is an outgrowth of the recent study by AEC concerning cooperation toward broadening the economic base of communities where Commission activities constitute the major economic force.

The observation area will be located on the south side of the Oak Ridge Turnpike just west of ORGDP's main entrance. Work is expected to commence on the area within the next few days.

WOULD EAT NO LEAN

The distinctive tastes of beef, lamb and pork are due to the fatty portions. The lean meat all tastes the same.

Carefully account for classified documents.

RESA Sets Lecture By Ohio State's Garrett

The Oak Ridge Branch of the Scientific Research Society of America (RESA) will meet Monday, February 18, at 8 p.m. at the Jefferson Junior High School Auditorium, Oak Ridge.

The featured speaker will be Dr. A. B. Garrett, vice president of research of the Ohio State University. His talk "Objective, To Interpret the Universe," will attempt to interrelate the various objectives of man, the intellectual. He will emphasize particularly the objective of science in the basic conception of the universe as we now perceive it.

Refreshments will be served after the lecture. The public is invited to attend Dr. Garrett's lecture.

A Perfect Couple Is Aptly Described

Overheard at the water cooler the other day . . . it seems this couple was about to get married. "They'll make a perfect couple," the voice wafted, "He's a hypochondriac . . . and she's a PILL!"

Bush League Lead Now Is Rusty Five's

The balance tipped again last week in the Bush League for Y-12 bowlers. The Rusty Five edged into first place by virtue of their four-point win over the Regents, who held number one position prior to their demise. The only other complete rout was accomplished by the Rollmasters over the Beavers. The Dry Hides clipped the Seven Sixties for three as did the Rollniks over the Lucky Five. The Hi Balls drew the bye to rest for the week.

Lou Kovach, Rollniks, rolled his way into first place in high single scratch games with a 211. F. C. Stoetzel, Rusty Five, took the high handicap singles with 274. Ray Waldrop, Dry Hides, took series highs with a 546 scratch, 657 handicap tally.

League standings follow:

Team	Won	Lost
Rusty Five	28	12
Dry Hides	27	13
Regents	25	15
Hi Balls	18	18
Lucky Five	19	21
Rollmasters	17½	22½
Beavers	15	21
Seven Sixties	13½	26½
Rollniks	13	27

Y-12ers Celebrating 15, 10 Year Anniversaries

Congratulations to the following Y-12ers who will observe 15 and 10 year anniversaries with Carbide within the next few days.

15 YEARS

William H. Park, Special Mechanical Production, February 16.

Carl W. Frazier, Shift Superintendents, February 19.

10 YEARS

Joseph Edward White, Ceramics and Plastics Department, February 13.

Bruce Thomas Fox, Area Five Maintenance, February 16.

Hoyt Wesley Kirkland, Process Maintenance, February 16.

John William Minchey, Building, Grounds and Maintenance Shops, February 16.

Kenneth H. Tinnel, Maintenance Planning, February 16.

Harold Bright, A-2 Shop, February 16.

Thomas Lewis Boggs, Building, Grounds and Maintenance Shops, February 17.

William C. Pullen, Metallurgical Development, February 17.

Richard D. Wayland, General Expediting and Auxiliary Services, February 17.

Henry L. Hamilton, General Machine Shop, February 18.

Clarence Gerald Hyde, Research Services, February 18.

The name of Robert P. Davis, Timekeeping, was omitted recently from this column. He celebrated his 10th anniversary with Carbide February 4.

UCC Earnings

Continued from Page 1

Mr. Dial noted that gains were achieved in sales volume in all areas of Union Carbide's business except metals, where alloy operations were affected by the continued low level of activity in the steel industry. Sales of chemicals and industrial gases showed the largest gains. Price decreases in certain product lines—particularly plastics and metals—had a significant effect on 1962 earnings.

Dead-Line For Poster Contest Is February 28

The dead-line for Safety Department's new quarterly poster contest is announced as Thursday, February 28. The current contest has as its theme "Off-the-Job Safety."

Prizes in the new three-month



MECHANICAL OPERATIONS DIVISION SUPERINTENDENT H. H. Stoner spoke briefly at the apprentice graduation held recently in the General Machine Shop. The apprentice training program, under the direction of O. K. Sergeant, saw nine Y-12ers receive their journeyman certificates.

Pistol League Gives Blues Top Billing

With only two more shoot-outs remaining the Pistol League looks like a toss-up between the Blues and the Reds, since the Green and White teams are barely in the running.

Last week the Blue team's C. Beeler took handicap high of 287.836, while V. D. Holt of the Reds, took a 289.829. Dave Alford, Red, had high scratch firing with 276.41.

The lowly Green and White teams are fighting it out for the cellar.

League standings follow:

Team	Points
Blue	23
Red	22
White	3
Green	2

Wilderness Trail Is Set Friday

The fourth program in the 1962-63 series of Audubon Screen tours will be "Wilderness Trails," shown and narrated by Charles T. Hotchkiss, Homestead, Florida. The program will be presented by the Oak Ridge Conservation Club at Jefferson Junior High School, Friday, February 15 at 7:30 p.m.

"Wilderness Trails" consists of a tour of four national parks: Yellowstone, Mt. McKinley, Grand Teton and the Everglades. A highlight of the film will be a hike and back pack trip into the Jim Bridger Wilderness Area in Wyoming. It presents a contrast between the tropical wilderness of the Everglades and the glaciers and tundra of the high country.

Hotchkiss studied forestry and wildlife management at the University of Connecticut. He served as a physical training instructor during his term in military service, then obtained a master's degree in physical education at the University of Illinois. For seven years he has held seasonal posts as ranger-naturalist at Grand Teton, Mt. McKinley and the Everglades National Parks.

Tickets may be reserved in advance by calling Oak Ridge telephone 483-1361, and will also be available at the door.

Neutron Physics' Bertini Will Conduct Seminar

The Oak Ridge National Laboratory's Physics Division Seminar this week will feature a discussion on "Intranuclear Cascade Calculations for Incident Particles." H. W. Bertini, Neutron Physics Division, will lead the seminar.

It will be held Friday, 3:15 p.m., February 15 in the East Auditorium of ORNL's 4500 Building.

contest are a golf cart and a three gallon sprayer to be given away to the first and second place posters entered.

Nine Graduate To Journeymen

Continued from Page 1
the program, includes Lyle Lankford, Harley Orange and Ralph Pearson. A. R. Smith is on the group committee this year, replacing Orange.

The general group committee, which includes three representatives from UCNC and three from the Atomic Trades and Labor Council, includes F. V. Tilson, K. W. Summerfeld and B. R. Pearson for UCNC; and C. J. Price, W. R. Jones, and G. F. Manning, representing the ATLC. Manning has replaced L. C. Love, formerly on the general committee.

Machine Shop Techniques

During the training period, the apprentices are required to attend a minimum of 144 hours per year of related instructions. All phases of machine shop practice are covered in the rigid training program.

Attending the ceremonies last week honoring the graduates, in addition to Superintendents Hibbs and Case, was H. H. Stoner, superintendent of the Mechanical Operations Division.



Ride wanted from vicinity of Hillside and Hickory Lane, Oak Ridge, to Central or West Portal, straight day. B. E. Burdette, plant phone 7544, home phone Oak Ridge 482-2779.

Rider wanted from South Knoxville via Solway, to any portal, straight day. Ed Cook, plant phone 7-8445, home phone Knoxville 577-4786.

Riders wanted from Clinton to North or Central portals, straight day. Greeta Luallen, plant phone 7-8465, home phone Clinton 457-2589.

One rider wanted from Pine Hills, Harriman, to Central, West or Bear Creek portal, straight day. R. W. Curtis, plant phone 7-8465, home phone Harriman 882-9291.

Ride wanted or will join car pool from Ford sub-division, Lehigh City, to North Portal, straight day. Paul Jenkins, plant phone 7-8528.

Ride wanted from Nevada Circle, Oak Ridge, to North Portal, straight day. Shirley Alley, plant phone 7277, home phone Oak Ridge 483-9697.

The hardest thing to raise in a garden is an aching back.

